

## CLAIMS

1. An indwelling analyte sensor, comprising:
  - (a) an active sensing region, including:
    - (i) an electrochemically active  
5 surface; and
    - (ii) a membrane system adhering to said  
electrochemically active surface;
  - (b) at least one nub of dielectric material  
extending outwardly from said  
10 electrochemically active surface and serving  
as a supportive structure to said membrane  
system.
2. The sensor of claim 1, wherein said at least  
15 one nub is in the form of a plate.
3. The sensor of claim 1, wherein said  
electrochemically active surface is defined as part of a  
lengthwise body.  
20
4. The sensor of claim 3, wherein said  
lengthwise body is circular in cross-section.
5. The sensor of claim 4, wherein said  
25 electrochemically active surface is circumferential to said  
circular lengthwise body.
6. The sensor of claim 5, wherein said nubs  
more specifically comprise annular plates.

7. The sensor of claim 2, wherein said nubs are displaced longitudinally from said electrochemically active surface.

5 8. The sensor of claim 2, wherein said membrane system includes multiple membranes.

9. The sensor of claim 2, wherein said membrane system includes an enzyme layer.

10

10. A method of creating an analyte sensor, comprising:

- (a) providing an electrochemically active surface;
- 15 (b) creating at least one nub made of dielectric material and extending transversely outwardly from said electrochemically active surface;
- (c) applying a liquid to said electrochemically active surface and said at least one nub;
- 20 (d) curing said liquid; and
- (e) whereby said at least one nub serves to support said liquid before and during said curing.

25

11. The method of claim 10, wherein said at least one nub is in the form of a plate.

12. The method of claim 10, wherein said  
30 electrochemically active surface is defined as part of a lengthwise body.

13. The method of claim 10, wherein said lengthwise body is circular in cross-section.

14. The method of claim 13, wherein said  
5 electrochemically active surface is circumferential to said circular lengthwise body.

15. The method of claim 14, wherein said nubs  
more specifically comprise annular plates.  
10

16. The method of claim 10, wherein said nubs are displaced longitudinally from said electrochemically active surface.

17. The method of claim 10, wherein said  
15 membrane system includes multiple membranes.

18. The sensor of claim 10, wherein said  
membrane system includes an enzyme layer.  
20

19. The sensor of claim 10 wherein said at least one nub is created by first providing a wire coated with dielectric material and then removing a portion of said dielectric material formed as a said nub.